

FODOR ET AL
Serial No. 09/585,659

227. (Twice Amended) The collection of claim 26, wherein the binding polymer is an oligonucleotide having a given length and is selected from the group consisting of all possible oligonucleotide sequences having the same number of nucleotides.

1338. (Twice Amended) The collection of claim 26, wherein the binding polymer is a protein selected from the group consisting of proteins having enzyme binding sites and proteins having antibody binding sites.

1439. (Twice Amended) The collection of claim 26, wherein the beads are comprised of a glass surface and the binding polymers are attached through amines on the glass surface.

1540. (Twice Amended) The collection of claim 26, wherein the beads are comprised of a surface and the binding polymers are attached through hydroxyl groups on the surface.

1641. (Twice Amended) The collection of claim 26, wherein the binding polymers are oligodeoxyribonucleotides, a plurality of the beads are comprised of a surface and a coating of an organic hydrophilic layer terminating in hydroxyl groups, and phosphates of the oligodeoxyribonucleotides are immediately linked to the hydroxyl groups.

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y3 2155. (Twice Amended) The collection of claim 27, wherein the plurality of
different beads is reusable.

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